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सं. 42] नई दिल्ली, शनिवार, अक्टूबर 16, 1976 (आश्विन 24, 1898)
No. 42] NEW DELHI, SATURDAY, OCTOBER 16, 1976 (ASVINA 24, 1898)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।

Separate paging is given to this Part in order that it may be filed as a separate compilation.

भाग III—खण्ड 2

PART III—SECTION 2

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस [Notifications and Notices issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE
PATENTS AND DESIGNS
Calcutta, the 16th October, 1976

CORRIGENDA

In the Gazette of India, Part-III, Section 2, dated the 14th August, 1976, page 686, Column 2 under the heading "Complete Specification accepted" against No. 139907, add the following names of inventors after the names of inventors given therein :—

"Suryanarayan Ramachandran, Prabhakar Shrepad Borkar and Sunder Bagomal Thadani".

In the Gazette of India, Part-III, Section 2, dated the 14th August, 1976, page 687, Column 1, under the heading "Complete Specification accepted" against No. 139908, add the following names of inventors after the names of inventors given therein :—

"Suryanarayan Ramachandran and Prabhakar Shrepad Borkar".

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE

The dates shown in crescent brackets are the dates claimed under Section 135 of the Act.

9th September, 1976

1660/Cal/76. Council of Scientific and Industrial Research. A process for preparation of α -(3-pentadecyl-aryloxy) propionic acids and their derivatives.

1661/Cal/76. Dr. P. L. Sharma and Shri R. M. Sharma. 1-Isopropylamino-3(2-phenyl-phenoxy)-2-propanol (PGI-11) and its synthesis.

1662/Cal/76. J. P. Palkhiwala. A fixed speed changing device.

1—287GI/76

1663/Cal/76. Rana Ghose. A method of and means for manufacturing belts including V belts for transmission purposes.

1664/Cal/76. Chloride Group Limited. Electric storage batteries. (September 11, 1975).

1665/Cal/76. Telefonaktiebolaget L M Ericsson. Clock supervision in digital systems. (September 29, 1975).

1666/Cal/76. Societe Alsacienne De Constructions Mecaniques De Mulhouse. A transmission having a large number of ratios.

1667/Cal/76. Hoechst Aktiengesellschaft. Agent for the improvement of the nutrient efficiency and the growth of ruminants and animal species having a similar digestive pattern.

1668/Cal/76. Concrete Industries (Monier) Limited. Improved method and apparatus for the combustion of crushed solid fuels. (September 17, 1975).

10th September, 1976

1669/Cal/76. D. D. Narang. Electric thermostat.

1670/Cal/76. Hooker Chemical Corporation. Process for the electrolytic decomposition of aqueous solutions of ionizable chemical compounds. [Divisional date February 1, 1974].

1671/Cal/76. Hooker Chemical Corporation. Process for the production of chlorine and caustic soda containing sodium chloride. [Divisional date February 1, 1974].

1672/Cal/76. Rene-Jean Jouanno. Radar Reflector.

1673/Cal/76. Hoechst Aktiengesellschaft. Hair growth compositions.

13th September, 1976

1674/Cal/76. Atlas Copco Aktiebolag. Method of breaking a hard material.

1675/Cal/76. Carl Edmund Barnes and Arthur Conard Barnes. Process for commercial manufacture of white polymer.

1676/Cal/76. Siemens Aktiengesellschaft. Improvements in or relating to a D.C. to A.C. converter and a method of starting it.

1677/Cal/76. Siemens Aktiengesellschaft. A d.c. to a.c. converter.

1678/Cal/76. Siemens Aktiengesellschaft. Control arrangement for controllable rectifier elements in bridge connection in an inverter.

1679/Cal/76. Siemens Aktiengesellschaft. A method of controlling a load-commutated inverter comprising controllable rectifier elements.

1680/Cal/76. Siemens Aktiengesellschaft. A control arrangement designed for supplying firing-initiating pulses for controllable rectifier elements in a rectifier.

1681/Cal/76. Siemens Aktiengesellschaft. Improvements in or relating to . . . (July 16, 1976).

1682/Cal/76. McGraw Edison Company. Method of processing an electrical apparatus.

1683/Cal/76. McGraw Edison Company. Electrical apparatus having an improved dielectric system.

1684/Cal/76. Iony Kabushiki Kaisha. A grain pearling machine.

14th September 1976

1685/Cal/76. Debananda Pramanik. Processing of coal block for complete smokeless burning.

1686/Cal/76. D. R. Bhasin. Manufacture of V-belts.

1687/Cal/76. D. R. Bhasin. Manufacture of V-belts.

1688/Cal/76. Coronation Sportingball Company. Improvements relating to inflatable balls and like substances.

1689/Cal/76. Dragon Enterprise Co., Ltd. Improved distributor.

1690/Cal/76. Montedison S.p.A. Process for preparing components of catalysts for the polymerization of olefins to spheroidal form polymers.

1691/Cal/76. B. Gandhi. A texturizing apparatus.

1692/Cal/76. B. Gandhi. A texturizing apparatus.

1693/Cal/76. B. Gandhi. A process.

15th September, 1976

1694/Cal/76. Kyuroku Kabushiki-Kaisha. Heavy-duty offshore stud chain link. (September 29, 1975).

1695/Cal/76. V. Sahni. Baby feeding bottle.

1696/Cal/76. Westinghouse Electric Corporation. Open tube gallium diffusion process for semiconductor devices.

1697/Cal/76. Council of Scientific and Industrial Research. A process for the synthesis of substituted tetraphenylethanes as antifertility agents.

1698/Cal/76. Council of Scientific and Industrial Research. A process for production of smokeless solid igniting fuel for use in domestic chulah.

1699/Cal/76. Council of Scientific and Industrial Research. A process for the preparation of cervical dilators.

1700/Cal/76. Council of Scientific and Industrial Research. A process for the preparation of cholesterol from the brains of goat, sheep and buffalo.

1701/Cal/76. Sandoz Ltd. Improvements in or relating to organic compounds. (September 17, 1975).

1702/Cal/76. Pohlig-Heckel-Bleichert Vereinigte Maschinenfabriken Aktiengesellschaft. Scraper apparatus for removing loose material from heaps or the like.

1703/Cal/76. Pohlig-Heckel-Bleichert Vereinigte Maschinenfabriken Aktiengesellschaft. Circular storage apparatus for storing and discharging loose material.

1704/Cal/76. American Flange & Manufacturing Co. Inc. Tear open bottle cap.

1705/Cal/76. Dresser Industries, Inc. Improved shaft support means.

1706/Cal/76. General Electric Company. Hybrid bonding system for abrasive tools.

1707/Cal/76. Chinoin Gyogyszer ES Vegyeszeti Termekre Gyara R. T. New benzimidazole derivatives.

1708/Cal/76. K. C. Jain. A coated paper.

1709/Cal/76. K. C. Jain. A coated paper.

1710/Cal/76. K. C. Jain. A process for the manufacature of coating paper.

1711/Cal/76. I. A. Kolosov. Automatic device for maintaining the level of a stack of plates.

1712/Cal/76. I. A. Kolosov. Automatic device for fixing the edge of a moving band.

APPLICATION FOR PATENTS FILED AT THE (BOMBAY BRANCH)

31st August, 1976

299/Bom/76. B. V. Zala. A permanent gregorian calendar. 1st September, 1976

300/Bom/76. Cummins Engine Company, Inc. Fuel control valve.

301/Bom/76. Cummins Engine Company, Inc. A diesel engine intake air preheater fuel control for diesel engines.

302/Bom/76. Cummins Engine Company, Inc. An isolated engine cover for diesel engines.

303/Bom/76. Cummins Engine Company, Inc. A heat distribution tube for manifold heater system for diesel engines.

3rd September, 1976

304/Bom/76. D. S. Mehta. A plastic closure cap with a valve for a bottle.

APPLICATION FOR PATENTS FILED AT THE (MADRAS BRANCH)

6th September, 1976

171/Mas/76. S.A.R. Navakodi. Magnetic disc player and master disc producer.

172/Mas/76. G. Venkatachalapathy. Collar defender.

7th September, 1976

173/Mas/76. K. M. Thomas. Mini tractor.

174/Mas/76. S. Badrinarayanan. Improvements in or relating to sugar crusher.

175/Mas/76. S. P. Joshi, K. K. Joshi and V. S. Joshi. Indexed book, folders and the like.

8th September, 1976

176/Mas/76. Dr. R. C. Easwaran. Trapping and preserving the biochemically active principles of any product in its ashes by using calcium.

177/Mas/76. D. V. Ramana. Filling gober gas in cylinders.

9th September, 1976

178/Mas/76. R. U. Varma. LPG reserve indicator.

10th September, 1976

179/Mas/76. T. V. Shanker & V. Narayanan. A disc-O-seal butterfly valve.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may at any time within four months of the date of this issue or within such further period not exceeding one month applied for on form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months give notice to the Controller of Patent at the appropriate office as indicated in respect of each such application, on the prescribed form 15 of such opposition. The written statement of opposition should be filed along with the said notice or within one month from its date as prescribed in Rule 36 of the Patents Rules, 1972.

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office.

CLASS 129G. I.C.-B23K 19/00. 140298.

FABRICATION OF METALLIC HONEY COMBED STRUCTURES BY DIFFUSION WELDING IN GASEOUS MEDIUM.

Applicant: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-1, INDIA.

Inventors: GIRIMAJI JAYARAO GURU RAJA.

Application No. 1804/Cal/73 filed August 6, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

A method for the fabrication of metallic honey combed structures with particular reference to a copper honey combed structure which consists in placing a metal honey comb between two wrapper sheets, placing pressure plates over the wrapper sheets, placing the assembly in a metallic retort, sealing the retort and heating it in a furnace characterised in that the welding metal honey comb to wrapper sheets of the is done by diffusion welding in a gaseous medium such as air.

CLASS 105B +D & 206E. I.C.-G01R 27/00, H04M 15/00. 140299.

COMMUNICATING OVER POWER LINES.

Applicant: GENERAL PUBLIC UTILITIES CORPORATION, AT 80 PINE STREET, NEW YORK, NEW YORK, USA.

Inventors: NEIL HOWARD JAGODA, KLAUS KUBIER-SCHKY AND HOWARD SEDNEY BAKER.

Application No. 2230/Cal/74 filed October 4, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims.

Apparatus for communicating over power lines comprising : a source of an audio frequency signal within the frequency range of 1 kHz to 20 kHz,

power amplifying means coupled to said signal source for amplifying said audiofrequency signal,

output terminal pair means for connection to a power line;

and means for coupling said output terminal pair means to said amplifying means while establishing the output impedance presented by said output terminal pair means within the range of 0.1 to 4 ohms within said audiofrequency range.

CLASS 113G + I. I.C.-F21M 3/00, 13/00. 140300

VEHICLE LAMP ASSEMBLY.

Applicant: THE LUCAS ELECTRICAL COMPANY LIMITED, OF WELL STREET, BIRMINGHAM, ENGLAND.

Inventor: ALFRED DICKENS BAKER.

Application No. 2792/Cal/74. filed December 18, 1974.

Convention date January 29, 1974/(03977/74) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

A vehicle lamp assembly comprising a body, a mounting bracket including a first portion which is attached to the body for relative pivotal movement about a first axis and a second portion which is adapted to be mounted on a vehicle, the first and second bracket portions being connected together for relative pivotal movement about a second axis which is substantially perpendicular to the first axis, first adjusting means connected between the first bracket portion and the body for effecting relative pivotal movement about said first axis, and second adjusting means for effecting relative pivotal movement between the first and second bracket portions about said second axis.

CLASS 35Q. I.C.-F27b 7/34, 7/36, 7/38, 15/00.

140301.

IMPROVEMENTS IN ROTARY KILN PLANTS.

Applicant: F. L. SMIDTH & CO. A/S., OF 77 VIGERS-LEV ALLE, DK 2500 COPENHAGEN BALBY, DENMARK

Inventor: ROLF DIETRICH HOUD.

Application No. 2794/Cal/74 filed December 18, 1974.

Convention date January 25, 1974/(03608/74) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims.

A rotary kiln plant for calcining and sintering mineral materials especially cement raw materials, the plant comprising a separate unit for preheating and calcining the raw materials, a rotary kiln and a rotary cooler, wherein the rotary kiln and the rotary cooler communicate through a stationary intermediate chamber forming a passage for the burnt product from the kiln to the rotary cooler in countercurrent with heated cooling air passing to the rotary kiln as combustion air, the stationary intermediate chamber having a separate inlet for the admission of additional cooling air and an outlet for the discharge of part of the preheated cooling air, the outlet being connected with the preheating and calcining unit through a pipe by-passing the rotary kiln.

CLASS 64A - B. I.C.-II01R 15/00.

140302.

IMPROVEMENT IN OR RELATING TO AN ELECTRIC PLUG CUM FUSE.

Applicant & Inventor: BALRAM NIGAM, 4/23 EAST PATEL NAGAR, NEW DELHI-110 008, INDIA.

Application No. 871/Cal/75 filed April 30, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims.

An improved electric plug having within its housing means for connecting one or more replacable fuses in the circuit of the apparatus to which the plug is connected, the rating of the fuse/fuses being such that it/they blow(s) in the event of a short circuit or high current drawn from the mains interrupting the flow of electric current to the said apparatus.

CLASS 24E. I.C.-B60T 11/10. 140303.

IMPROVEMENTS IN OR RELATING TO VEHICLE WHEEL BRAKE ACTUATORS.

Applicant: GIRLING LIMITED, OF KINGS ROAD, TYSELEY, BIRMINGHAM 11, ENGLAND.

Inventors: CHARLES NEWSTEAD, ANDREW CHARLES WALDEN WRIGHT AND DAVID WILLIAM GEE.

Application No. 2733/Cal/73 filed December 15, 1973.

Convention date December 19, 1972/(58647/72) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

17 Claims.

A vehicle wheel brake actuator of the kind set forth, wherein the force transferring means and the release means extend through the second member in its inoperative position freely and with clearance, the force transferring means being movable with the second member upon release of the opposing fluid pressure.

CLASS 27-I + I. I.C.-E04C 1/00, 2/00, 3/00. 140304.

IMPROVEMENTS IN OR RELATING TO CONCRETE FRAME FOR BUILDING OR LIKE STRUCTURES.

Applicant & Inventors: KALYAN KUMAR BANERJEE, OF 10/4, CENTRAL PARK, P.O. JADAVPUR, CALCUTTA-700 032, STATE OF WEST BENGAL, INDIA.

Application No. 2523/Cal/74 filed November 15, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

17 Claims.

An improved method of constructing concrete frames for a building or like structure, characterised in that the said method comprises the following steps—

(i) placing pre-cast concrete beams directly on columns which are cast-in-place or pre-cast, the ends of the said beams being recessed and fork into the rods extending from the said columns; and

(ii) concreting the joints of the said concrete beams and said columns after addition of rings and continuity steel to complete the frame.

CLASS 32A. I.C.-C09b 29/00. 140305.

PROCESS FOR THE PREPARATION OF AZO PIGMENTS.

Applicant: HOECHST AKTIENGESELLSCHAFT, OF 6230 FRANKFURT/MAIN 80, FEDERAL REPUBLIC OF GERMANY.

Inventors: JOSEF LANDLER AND KLAUS HUNGER. ERHARD WORFEL.

Application No. 168/Cal/73 filed January 24, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims. No drawings.

A process for the preparation of azo pigments which process comprises diazotizing a diazotizable aromatic amine as herein described without solubilizing groups such as carboxylic or sulphonic acid groups with nitrosylsulfuric acid in an

anhydrous dipolar aprotic solvent miscible with water, coupling the diazonium compound so obtained with a coupling component as herein described, and if desired, thermally after-treating the pigment so obtained without intermediate isolation and then isolating the pigment obtained in usual manner.

CLASS 32F: +F2a. I.C.-C07C 147/06, C07C 85/10. 140306.

PROCESS FOR PREPARING NEW N-(AMINOBENZOYL)-AMINOARYLSULFONIC ACIDS.

Applicant: HOECHST AKTIENGESELLSCHAFT, OF 6230 FRANKFURT/MAIN 80, FEDERAL REPUBLIC OF GERMANY.

Inventors: GUNTER LAUBERT AND JOACHIM RIBKA.

Application No. 169/Cal/73 filed January 24, 1973.

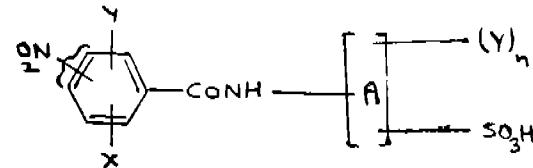
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

A process for preparing N-(aminobenzoyl)-aminoaryl-sulfonic acids or their alkali metal salts of the general formula (I).



wherein X represents a hydrogen or halogen atom, an alkyl, alkoxy, methoxycarbonyl, ethoxycarbonyl, monoalkylamino, dialkylamino, trifluoromethyl-, phenyl, phenoxy, nitro or cyano group, Y represents a hydrogen or halogen atom, preferably a chlorine or bromine atom, an alkyl or alkoxy group, A represents a benzene or naphthalene ring and n represents the number 1 or 2 which comprises reducing by conventional method N-(nitrobenzoyl)-aminoaryl sulfonic acids of the general formula (2).



or their alkali metal salts wherin X represents a hydrogen or halogen atom, an alkyl, alkoxy, methoxycarbonyl, ethoxycarbonyl, monoalkylamino, dialkylamino, trifluoromethyl, phenyl, phenoxy, nitro or cyano group, Y represents a hydrogen or halogen atom, an alkyl or alkoxy group, A represents a benzene or naphthalene ring and n represents the number 1 or 2, and thereafter, if desired preparing alkali metal salts of obtained compound of formula (1) by reacting with suitable alkali metal compounds, or setting free the acid if an alkali metal salt thereof is obtained.

CLASS 104A+C+K. I.C.-C08C 1/14. 140307

PROCESS FOR PREPARING NATURAL RUBBER CRUMB AND NATURAL RUBBER-CARBON BLACK MASTERBATCHES.

Applicant: ASHLAND OIL, INC., OF P.O. BOX 391, ASHLAND, KENTUCKY 41101, UNITED STATES OF AMERICA.

Inventors: ROBERT A. FORRESTER AND RALPH EMERSON MCNAY.

Application No. 1017/Cal/73 filed May 1, 1973.

Convention date March 28, 1973/(14993/73) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

28 Claims.

A process for preparing natural rubber crumb from a natural rubber latex which comprises heating the latex to a temperature between 50°C and 80°C; thereafter or simultaneously therewith, contacting said latex with an acid capable of coagulating the latex; and subjecting the latex and acid to mechanical agitation and comminution for a period of time sufficient to form said crumb.

CLASS 1A & 27-I. I.C.-E04 1/38. 140308.

METHOD FOR JOINING ELEMENTS OF A PLASTIC STRUCTURE.

Applicant: AUTOMATED CONSTRUCTION INDUSTRIES, INC. OF 1635, SOUTH 43RD AVENUE, PHOENIX, ARIZONA 85005, UNITED STATES OF AMERICA.

Inventor: JOHN LORIN BOURDO.

Application No. 1181/Cal/73 filed May 21, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims.

A method of joining together at least two elements of a plastics structure each of which has an outer skin of a cured hardened unsaturated polyester by applying to at least one of said elements an adhesive and maintaining the two elements in abutting relationship with said adhesive sandwiched therebetween until the unsaturated polyester of the adhesive cures, wherein the said adhesive comprises a major portion (as hereinbefore defined) of hardenable unsaturated polyester for fusing the structural elements together;

an inert filler for thickening the hardenable unsaturated polyester and for preventing running of the hardenable unsaturated polyester during application; and

a second inert filler for additionally thickening the hardenable unsaturated polyester and for improving the fire retardation of the adhesive.

CLASS 179E+F. I.C.-B65d 1/30, 3/20. 140309.

IMPROVEMENTS IN OR RELATING TO CONTAINERS.

Applicant: THE METAL BOX COMPANY OF INDIA LIMITED, OF 59C, CHOWRINGHEE ROAD, CALCUTTA-20, WEST BENGAL, INDIA.

Inventor: JIVAN KUMAR KHOSLA.

Application No. 1577/Cal/73 filed July 6, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims.

A container comprising a cylindrical can body characterized by a bottom consisting of an end piece clinched with the bottom end of the said can body, and the said can body having an internal curl at its top end, for fitting a cap by snap action.

CLASS 39Q. I.C.-C01d 5/14. 140310.

A PROCESS FOR MAKING SODIUM HYDROSULPHIDE.

Applicant: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-1, INDIA.

Inventors: MADHAB CHANDRA DAS, SAMARENDHA NATH DUTTA AND MADHUR SRINIVAS IYENGAR.

Application No. 2094/Cal/73 filed September 13, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims.

A process for making sodium hydrosulphide by reacting sodium hydroxide and hydrogen sulphide characterised in that

the hydrogen sulphide used for the reaction is obtained by dehydrogenation of coal with sulphur, further characterised in that 80% (W/W) aqueous sodium hydroxide is reacted with the hydrogen sulphide followed by filtering and flaking in a flaking machine.

CLASS 179D. I.C.-B67b 3/00, B65b 7/28. 140311.

CONTAINER FOR MEDICAL LIQUID WITH SEPARABLE OUTER AND INNER CLOSURES.

Applicant: AMERICAN HOSPITAL SUPPLY CORPORATION, AT 1740, RIDGE AVENUE, EVASTON, ILLINOIS, UNITED STATES OF AMERICA.

Inventors: PRADIP VINODCHANDRA CHOKSI AND ROY BURKE STEIDLERY.

Application No. 123/Cal/74 filed January 17, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

18 Claims.

A thermo-plastic medical liquid bottle adapted for steam sterilization that has a dispensing opening, closed by a cap with a breakable section, and this cap has an external brim that abuts against, and is hermetically sealed by fusion or welding to a portion of, the bottle near its opening, and there are external spiral threads on the cap for pulling the cap apart at its breakable sections by counter-clockwise motion, and there is an openable sterile inner closure resting inside the said outer cap that seals the dispensing opening.

CLASS 47C. I.C.-C10b 3/02, 3/16. 140312.

METHOD OF AND APPARATUS FOR COLLECTING AND UTILISING DUST LADED GASES.

Applicant: SIMON-CARVES LIMITED, OF CHEADLE HEATH, STOCKPORT, CHESHIRE, ENGLAND.

Inventors: KENNETH VINCENT MACGREGOR AND CHARLES WILLIAM WOOD.

Application No. 627/Cal/74 filed March 22, 1974.

Convention date April 5, 1973/(16240/73) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims.

A method of collecting and utilising dust-laden gases admitted from a coking over chamber during and for a selected period following the charging of same with coal to be carbonised, comprising the steps of at least partially cooling said gases leaving said over chamber, passing same into a collecting main, transferring same from said main to a combustion chamber of a heat exchanger for drying and pre-heating coal to be subsequently carbonised, and burning said gases as fuel in said combustion chamber.

CLASS 32F. +F,b. I.C.-C07d 55/06, 27/48. 140313.

PROCESS FOR THE PREPARATION OF TRIAZOLO ISOINDOLE DERIVATIVES.

Applicant: GRUPPO LEPESTIT S.P.A., OF 8, VIA ROBERTO LEPESTIT, MILAN, ITALY.

Inventors: AMEDEO OMODEI-SALE, PIETRO CONSONNI AND LEONARD J. LERNER.

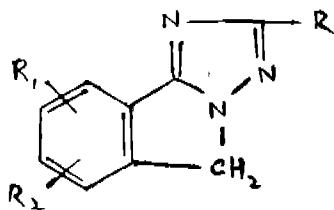
Application No. 1132/Cal/74 filed May 23, 1974.

Convention date May 25, 1973/(25163/73) U.K.

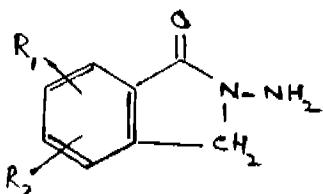
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

1 Claim.

A process for preparing a compound of the formula I.



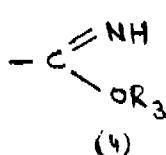
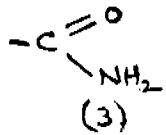
wherein R is selected from hydrogen, amino, lower alkyl amino, di-lower alkyl amino, sulfhydryl, lower alkyl, trifluoromethyl, phenyl, pyridyl, methylpyridyl, dimethylpyridyl and phenyl carrying one to three substituents independently selected from lower alkyl, lower alkoxy, lower alkenyloxy, lower alkynyoxy, methylenedioxy, halo, trifluoromethyl, cyclopropoxy, cyclobutyloxy, cyclopentyloxy, cyclohexyloxy, benzyloxy, lower alkylamino, di-lower alkylamino, nitro; R₁ and R₂ each independently represents hydrogen, chloro or lower alkoxy, which comprises reaction of compound of the formula II shown in Fig. 1.



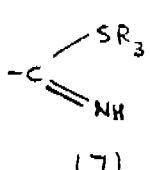
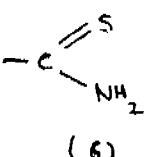
wherein R₁ and R₂ have the same meanings as above with a compound of the formula R-Z wherein R has the same meaning as above and Z represents a group shown in Figs. 2. to 7.

— CN

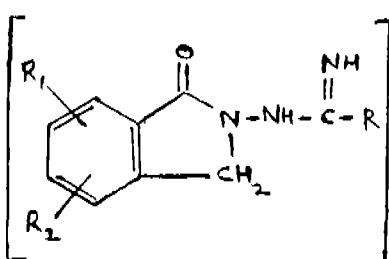
— CN
(2)



— C(=NH)
NH2
(5)



wherein R₃ is C₁-C₄ alkyl, at a temperature from 60 to 160°C optionally in the presence of an acidic catalyst such as herein described to obtain a compound of formula III shown in Fig. 1.



of the drawings wherein R, R₁ and R₂ have the same meanings as above, which in turn is cyclized by refluxing in an organic solvent in the presence of a strong base catalyst such as herein described whereby a compound of formula I is obtained.

CLASS 116C, I.C.-B65g 47/00.

140314.

ARTICLE-ORIENTING CONVEYOR.

Applicant : SUNKIST GROWERS, INC., OF 14130 RIVER-SIDE DRIVE, SHERMAN OAKS, CALIFORNIA, UNITED STATES OF AMERICA.

Inventors : PAUL FRANK PADDOCK AND JERRY WRIGHT CRAMER.

Application No. 1577/Cal/74 filed July 15, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

30 Claims.

A conveyor for moving successive ellipsoidal objects, such as citrus fruit, in an intended direction of travel with the major axes of the objects at a selected orientation relative to the direction of travel, which conveyor comprises receptacles, each to carry an individual ellipsoidal objects, means for moving the receptacles in the intended direction, roller means on or forming part of each receptacle arranged on parallel axes to support an ellipsoidal object at four spaced-apart points with the parallel axes at a selected orientation relative to the intended direction of travel; and means for actuating the roller means so as to spin an ellipsoidal object supported thereon to cause the major axis of the ellipsoidal object to seek the selected orientation.

CLASS 108C₃, I.C.-C21C 1/00.

140315.

METHOD FOR REFINING PIG IRON INTO STEEL.

Applicant & Inventor : CRAWFORD BROWN MURTON, AT 1906 BRUSCHCLIFFE ROAD, PITTSBURG, PENNSYLVANIA 15221, UNITED STATES OF AMERICA.

Application No. 2304/Cal/74 filed October 17, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

24 Claims. No drawings.

A method of refining molten ferrous metal containing oxidizable elements in a metallurgical containment in which the steps of the method comprises introducing an oxygen stream into the molten ferrous metal to create an oxygen-rich zone therein, characterized by further introducing into the oxygen-rich zone a sufficient amount of an oxide of at least one of the oxidizable elements present or to be present in the molten ferrous metal in amounts sufficient to provide high concentration of the oxide in the oxygen-rich zone whereby to maintain the oxidizable element at the desired analysis, and continuing to blow oxygen and to introduce said oxide until the analyses of other oxidizable elements have reached desired analyses.

CLASS 93, I.C.-C22C 19/00.

140316.

A METHOD OF PREPARING NICKEL BASE ALLOYS.

Applicant : JAMES FRENCH BALDWIN, AT 220 MACFARLANE, DELRAY BEACH, FLORIDA 33444, UNITED STATES OF AMERICA.

Inventor : DOUGLAS H. MAXWELL.

Application No. 2360/Cal/74 filed October 29, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

A method of preparing a nickel base alloy having elevated temperature strength, resistance to oxidation and hot corrosion, and a low coefficient of thermal expansion comprising application of normal conventional foundry practice as hereinbefore described upon a composition consisting essentially of

the following elements in the weight per cent ranges set forth, with the balance being essentially nickel;

Elements	Per cent
Chromium	24-42
Molybdenum	8-22
Carbon	0.1-1.4
Boron	0-0.8

and providing an alloy therefrom.

CLASS 133A & 134A. I.C.-B60R 18/00, B60L 1/08, 11/00.
140317.

IMPROVEMENTS IN OR RELATING TO ELECTRICAL-LY OPERATED MINI-CARS.

Applicant & Inventor : MURARI ROY, OF 29/3, HALDER PARA LANE, KHURUT, HOWRAH, STATE OF WEST BENGAL, INDIA.

Application No. 233/Cal/75 filed February 10, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims.

An improved electrically operated mini-car which is characterised in that it is provided with an automatic self-generating means for running the said mini-car, the said self-generating means in combination having for its essential parts—

- (i) a number of storage batteries as a source of power to the mini-car;
- (ii) a main electric motor connected to the said storage batteries, for receiving electric power from the said batteries for the constant running of the mini-car;
- (iii) a pick-up motor coupled with the said main electric motor, for picking up the speed through the first gear and the second gear of the car; the said pick-up motor also functioning as a generator when and only when the mini-car is on its top gear;
- (iv) an aero-motive power device for constantly charging the said storage batteries;
- (v) an additional storage battery connected to the aero-motive power device for actuating the generating power of the storage batteries, the said power device which is constantly charging the storage batteries, the said additional storage battery also being charged by the said coupled pick-up motor, when the latter is adapted to generate the power on its top gear;
- (vi) a synchronised electric means for distributing the electric power to the main electric motor, for operating the said main electric motor which also automatically operates the coupled pick-up motor;
- (vii) a gear mechanism connected to both the main electric motor and the coupled pick-up motor, for regulating the load and speed of the mini-car; and
- (viii) an operating means connected to the synchronised electric means distributing the power to the main electric motor, and also the gear mechanism, so that on actuating the said operating means the said synchronised electric means as well as the said gear mechanism will start functioning.

CLASS 32F₁ & 55D_a. I.C.-C07d 31/26, 31/36. 140318.

PREPARATION OF 3,6-DICHLOROPICOLINIC ACID.

Applicant : THE DOW CHEMICAL COMPANY, AT MIDLAND, COUNTY OF MIDLAND, STATE OF MICHIGAN, UNITED STATES OF AMERICA.

Inventor : STANLEY DANE MCGREGOR.

Application No. 2143/Cal/75 filed November 10, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims. No drawings.

A process for the preparation of 3, 6-dichloropicolinic acid which comprises (1) reacting 3, 5, 6-trichloro-4-hydrazinopicolinic acid with an alkali metal hydroxide in a liquid reaction medium comprising water and for a lower alkanol and (2) acidifying the reaction mixture with a mineral acid.

CLASS 25A + D. 35E. I.C.-C04b 7/00, C04b 35/00.
140319.

A METHOD OF PRODUCING LOW-CARBON, WHITE HUSK ASH.

Applicant : REFRATECHNIK, ALBERT GMBH., OF RUDOLF-WINKELSTRASSE 1, 34 GOTTINGEN, FEDERAL REPUBLIC OF GERMANY.

Inventors : ALEXANDER TUTSEK AND DR.-ING-PETER BARTHA.

Application No. 688/Cal/75 filed April 4, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 Claims. No drawings.

A method of preparing low-carbon, white husk ash having a carbon content of less than 2% for use in manufacturing building materials, more particularly refractory building materials, in which method the husks are heated, in the absence of air, to a first temperature below the crystallisation temperature of the SiO₂ of the husks in order to remove the volatile constituents and to oxidise the fixed carbon to transform it into a volatile compound, whereupon the resulting husk ash is heat-treated at a temperature above the crystallisation temperature of the SiO₂ to produce a uniform SiO₂ crystal structure, characterized in that the husks are first of all heated, in the absence of air, to a relatively low separation temperature in the range of from 200 to 450°C in order only to remove the volatile constituents; that thereupon the husks, after removing the volatile constituents, are heated to an oxidation temperature in the range of from 450°C to 700°C in the presence of an oxidising agent in order to oxidise the fixed carbon; and that finally the resulting husk ash is heated to the third heat-treatment-temperature in the range of between 700 and 800°C.

CLASS 4A. I.C.-B64f 1/04.

140320.

A SYSTEM OF RETRACTABLE SAILS USED TO PROVIDE A PROPULSIVE FORCE TO AIRCRAFT.

Applicant : & *Inventors :* DARIUS BEHRAM DAHMUDED, 81, MATARAKDI ROAD, 2ND FLOOR, MAZAGON, BOMBAY-10, AND AJOY KUMAR KUNDU, PROFESSOR, DEPARTMENT OF AERONAUTICAL ENGINEERING, HOUSE NO. B-71, INDIAN INSTITUTE OF TECHNOLOGY, KHARAGPUR, 721302.

Application No. 2346/Cal/74 filed October 28, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

A system of sails for use in harnessing the energy of the wind and providing a propulsive force for aircraft with or without a conventional engine for propulsion, characterised in that the sails being provided above and below the fuselage of the aircraft and which is of the retractable type as herein described.

CLASS 32C & 32F_a + F_d & 60X_d.
I.C.-C07C 49/76, 49/82.

140321.

PROCESS FOR THE ISOLATION OF A "PONGAFLAVONE" FROM PONGAMIA PINNATA (L) PIERRE (SYN. P. GLABRA)

Applicant : THE DIRECTOR, CENTRAL COUNCIL FOR RESEARCH IN INDIAN MEDICINE AND HOMOEOPATHY, F-25, DEFENCE COLONY, NEW DELHI-110024, INDIA.

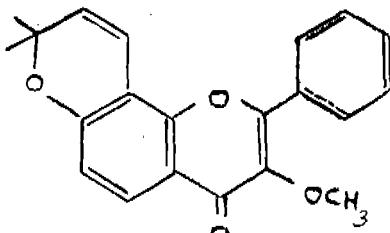
Inventors: MRS. POKKULURI LAKSHMI, GOTETY SRIMANNARAYANA AND NANDURI VENKATA SUBBA RAO.

Application No. 754/Cal/74 filed April 4, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

A process of isolating a new flavone, pongaflavone (0.01%) (1) as shown in the accompanying diagram.



from the stems of *Pongamia pinnata* (Glabra) (L.), Pierre, which consists in extracting the stem powder with solvent such as described, concentrating the resulting extract, subjecting the semi-solid material to column chromatography to yield the new flavone, Pongaflavone.

CLASS 65B, & 69-I + O. I.C.-H01h 9/00, H01f 27/00.

140322.

CASING ASSEMBLY FOR AN OIL-COOLED ELECTRICAL APPARATUS AND METHOD OF PRODUCING IT.

Applicant: DANFOSS A/S, NORDborg, DENMARK.

Inventor: KJELD LEHMANN RINGGADE.

Application No. 363/Bom/73 filed November 8, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

16 Claims.

A casing for an oil-cooled electrical apparatus, in particular for a control apparatus with an oil-cooled power part and a control part arranged thereover, and having four side walls and a base, characterised in that the separately made side walls (1-4) have at their side edges abutting surfaces (10) which are disposed at an angle to the plane of the wall and the width of which is a multiple of the average thickness of the wall, the side walls being tightly bonded to each other along these abutting surfaces.

CLASS 40F + H & 130F. I.C.-C22b 43/00. 140323.

PROCESS AND APPARATUS FOR RECOVERING MERCURY FROM WASTE WATER.

Applicant: IMC CHEMICAL GROUP INC., AT 245 PARK AVENUE, NEW YORK, NEW YORK, UNITED STATES OF AMERICA.

Inventors: PETER DEANGELIS, ALFRED R. MORRIS AND ALAN L. MACMILLAN.

Application No. 720/Cal/73 filed March 29, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims.

A method for recovering mercury in metallic form from industrial waste waters contaminated with mercury which comprises contacting said contaminated waste water with a bed of finely divided anthracite coal.

CLASS 33D. I.C.-B22d 7/00. 140324

A METHOD OF MODIFICATION OF AN INGOT AND APPARATUS FOR MAKING SAME.

Applicant & Inventor: LIONEL STERN, OF 3/47 STUD-

LEY PARK ROAD, KEW, VICTORIA, AUSTRALIA.

Application No. 1407/Cal/73 filed June 15, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

15 Claims

A method of modification of an ingot of an existing alloy to produce an ingot of another alloy of a desired composition comprising the steps of; taking an ingot formed of an alloy in which the constituent thereof is present in the form of a substantially continuous network distributed throughout the body of said ingot; heating said ingot so as to melt said network constituent and leave the remainder of said body, or a substantial part thereof, in a self-supporting state; displacing at least some of said network constituent from said ingot by introducing a molten desired substitute constituent into said ingot, whereby there is at least a partial exchange of one said constituent for the other; and cooling said ingot so that said substitute constituent solidifies within the passages of said network.

CLASS 194C. I.C.-H01J 11/00.

140325

METHOD OF MANUFACTURING A MERCURY VAPOUR DISCHARGE LAMP.

Applicant: N. V. PHILIPS' GLOEILAMPENFABRIEKEN, AT EMMASINGEL 29, EINDHOVEN, HOLLAND, NETHERLANDS.

Inventors: REIN WILLEMS VAN DER WOLF, JOHANNES ANTONIUS MARIA RIDDERS, AND CORNELIS WILHELMUS ADRIANUS BLOMMERDE.

Application No. 361/Cal/74 filed February 20, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

A method of manufacturing a mercury vapour discharge lamp from an envelope provided with an exhaust tube, in which an amalgam is present, characterized in that the amalgam is present as a thin coating on the inner wall of the exhaust tube, from which coating of amalgam, after exhausting of the lamp, mercury is released by heating the amalgam and the exhaust tube being substantially sealed between the envelope and the area where the amalgam was present.

CLASS 108C. I.C.-C21C 5/42.

140326

IMPROVEMENTS IN OR RELATING TO LANCE TIPS.

Applicant: SMT. RINA BALA, OF 15/3-B, NASKAR-PARA LANE, CALCUTTA-31, WEST BENGAL, INDIA.

Inventor: DIPAK KUMAR BALA.

Application No. 1263/Cal/74 filed June 10, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims

A circulation system for effectively cooling the captive space of a device having a central fluid flow distributed at the end through a number of nozzles placed around the central axis, and thereby forming the said captive space encircled by them, and where coolant streams from a surrounding annular inlet flows in through the gaps between the nozzles to unite together and flow axially to enter into the captive space (resulting in improved cooling and eliminating any stagnation) and disperse again into an annular outlet through the gaps between those nozzles on the other side of a barrier placed midway along the length of the nozzles and which creates the necessary pressure difference for this flow by throttling the direct flow from the annular inlet to an annular outlet.

CLASS 164B. I.C.-C02C 1/00.

140327

APPARATUS FOR CLEARING SLUDGE FROM TANKS.

Applicant: ROBERT HUDSON (RALETRUX) LIMITED, OF RALETRUX WORKS (P.O. BOX NO. 4), MORLEY, LEEDS LS27 8TG, YORKSHIRE, ENGLAND.

Inventor : FRED GREENWOOD.

Application No. 1568/Cal/74 filed July 12, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

Apparatus for clearing sludge and similar tanks of their sludge or like deposit comprising a beam or like framework carrying one or more squeegee devices and mounted to run on rails extending along the tank bottom, and mechanical means connected to the beam or like framework and arranged to traverse the latter to and fro along the tank bottom, beam or the like and including lifting eccentric cam means connected to the mechanical means for raising the squeegee device or devices clear of the tank bottom.

CLASS 116G. I.C.-B66f 11/00.

140328

TURN-OVER DEVICE FOR VOLUMETRIC ARTICLES.

Applicant : KHMELNITSKY ZAVOD TRANSFORMATORNYKH PODSTANTSY IMENI 50-LETIA SSSR, ULITSA INDUSTRIALNAYA, 120, KHMELNITSKY, USSR.

Inventors : STANISLAV ANTONOVICH GRABOVSKY, EVGENY PAVLOVICH KHOPROVSKY, PAVEL ROMANOVICH EPEIBOIM, BORIS MARTYNOVICH RUDKOVSKY AND JURY ANDREEVICH LOMOVSKY.

Application No. 1851/Cal/74 filed August 17, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

A turn-over device for volumetric articles comprising a base with an angular lever pivotally mounted at its corner on the base for rotation in a vertical plane by electrical drive means, the angular lever having two perpendicular arms also perpendicular to the vertical plane of rotation of the angular lever and both the arms are provided on their opposite surfaces with a respective support element to carry the article, each support element being adapted for longitudinal movement along the arm and rotational movement in the plane parallel to the plane of the arm.

CLASS 32F, +F,b. I.C.-C07d 27/26.

140329.

PROCESS FOR PREPARING NEW AMINOPYRROLE DERIVATIVES.

Applicant : GRUPPO LEPESTIT S.P.A., OF 8, VIA ROBERTO LEPESTIT, MILAN, ITALY.

Inventors : GIORGIO TARZIA AND GIANBATTISTA PANZONE.

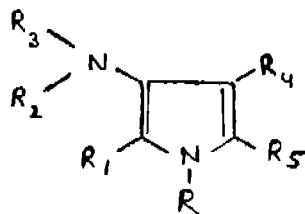
Application No. 1864/Cal/74 filed August 20, 1974.

Convention date August 22, 1973/(39790/73) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

A process for preparing a compound of formula I.



and salts therewith of pharmaceutically acceptable acids wherein R is selected from hydrogen (C_1 -) alkyl, benzyl and halo-substituted benzyl;

287--GI/76

R_1 represents hydrogen, (C_1 -) alkyl, phenyl and substituted phenyl carrying one to three substituents independently selected from (C_1 -) alkyl, (C_4) alkoxy, benzyloxy, fluoro, chloro, bromo, hydroxy and nitro;

R_2 is a member of the class consisting of hydrogen, (C_1 -) alkyl, formyl, (C_3 -) aliphatic acyl, benzoyl, [carbo (C_1 -) alkoxyl] (C_4 -) aliphatic acyl, carbamyl, phenylcarbamyl, thiocarbamyl, phenylthiocarbamyl, benzoylthiocarbamyl, carboxyphenyl, benzenesulfonyl, (C_1 -) alkylsulfonyl, toluenesulfonyl, phenasulfonyl;

R_3 is selected from hydrogen and (C_1 -) alkyl;

R_4 represents (C_2 -) aliphatic acyl, benzoyl, benzoyl carrying one to three substituents independently selected from fluoro, chloro, bromo and (C_1 -) alkoxy, carbo (C_1 -) carboxy, carbamyl, methylcarbamyl or phenylcarbamyl;

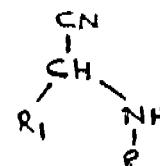
R_5 is selected from the group consisting of hydrogen, (C_1 -) alkyl, carbo (C_1 -) alkoxy, [carbo (C_1 -) alkoxy] methyl, trifluoromethyl, carboxy, carbamyl and carbazoyl;

R_2 and R_3 taken together represent (C_4 -) alkylidene, benzylidene, or halo-substituted benzylidene;

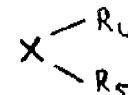
R_1 and R_2 taken together may also represent a group $-CO-(CH_2)_n-$, wherein the carbonyl group is connected to the carbon atom of the pyrrole ring which bears the substituent R_4 and n is an integer selected from 2, 3 and 4;

with the proviso that when R_1 and R_2 simultaneously represent methyl and R is hydrogen, one of R_2 and R_3 must be different from hydrogen and R_4 cannot be carbethoxy;

which comprises reacting substantially equimolecular amounts of an α -aminonitrile of the general formula II.



or an acid addition salt thereof, wherein R is hydrogen and R_1 has the meanings given above, and a compound of the general formula III.



wherein R_1 and R_2 have the above meanings and X represents the groups

-C-C- or -CH₂-C-

"

wherein the -CH₂ portion is linked to the substituent R_4 , in an inert organic solvent at a temperature ranging from room temperature to the reflux temperature of the reaction mixture, for one to sixty hours, whereby a compound of formula I is obtained, wherein R_1 , R_2 and R_3 are hydrogen, said process being further characterized in that when radicals R_4 or R_5 or both, as defined above, are desired to be different from hydrogen, they are introduced by common alkylation, acylation, sulfonylation, carbamylation, thiocarbamylation, formylation, schiff's bases formation procedures, which include reaction with (C_1 -) alkyl halides, di-(C_1 -) alkyl sulfates, mixtures of formic acid and formaldehyde, mono halides of (C_1 -) dicarboxylic acids in which the second carboxy group is esterified with a (C_1 -) alkanol, (C_2 -) aliphatic acyl halides or anhydrides, benzoyl halides or anhydrides, benzenesulfonyl halides, (C_1 -) alkylsulfonyl halides, toluenesulfonyl halides, formic acid, alkali metal cyanates or thiocyanates, phenyliso-

cyanate, phenylisothiocyanate, benzoylisothiocyanate, benzoic acid substituted in the aromatic ring with a halogen atom, (C_{6-1}) aliphatic aldehydes, (C_{6-1}) aliphatic ketones, benzaldehyde, benzaldehyde substituted in the aromatic ring by halogen atoms, and optionally by removing the (C_{6-1}) alkylsulfonyl, benzenesulfonyl, toluenesulfonyl or phenacylsulfonyl groups by acid hydrolysis.

CLASS 89. I.C.-GO1L 23/00. 140330.

LARGE RANGE DIGITAL MICROMANOMETER.

Applicant : THE DIRECTOR, I.I.T. KANPUR, (U.P.) INDIA.

Inventors : ASHOK KUMAR GUPTA, SARVAN KUMAR.

Application No. 1233/Cal/75 filed June 23, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

A large range digital micromanometer comprising a reservoir containing ethyl alcohol closed at the top and having an outlet near the bottom ϕ to which is connected one end of a flexible tube and other end of the tube connected to an inclined small diameter glass tube mounted on a slider vertically slideable on two guide posts by means of a rotatable hand dial through rotatable vertical lead screw, the guide posts and the lead screws being held between a top plate and a base plate, the base plate being fitted with levelling screws, the reservoir resting in a groove on the base plate and a digital mechanical reversible counter fixed to the top plate, the rotation of the lead screws being transmitted to the counter through a gear train.

CLASS 160A. I.C.-B60P 1/00. 140331.

AN IMPROVED BULLOCK CART.

Applicant : SMT. MONIK ROY, C/O SRI SRI NITYA NARAYAN MATH., P.O. (GOMOH, DIST. DHANBAD, BIHAR, INDIA).

Inventor : DIPTI RANJAN ROY.

Application No. 1141/Cal/76 filed June 22, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

An improved bullock cart comprising a pair of wheels independently mounted on a separate axles and are firmly attached with each other at a distance apart by means of a number of transverse tie rods near to the periphery; a bucket type container or carrier suspended on each side from the axles of the said wheels; a frame work or chassis fitted outside of the wheels and also firmly fixed with the said two axles of the two wheels, and the frame work being provided at least at one end with one transverse bar acting as a shoulder rest for bulls and a driver's seat.

CLASS 196B₁. I.C.-B60H 3/00. 140332.

ELECTRODE CONSTRUCTION FOR AN ELECTRIC AIR-CONDITIONING INSTALLATION.

Applicant & Inventor : CONSTANTIN GRAF VON BERCKHEIM, OF FRIEDRICHSTRASSE 9, 6940 WEINHEIM BERGSTRASSE, WEST GERMANY.

Application No. 2480/Cal/73 filed November 12, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

An electrode construction for an electric air-conditioning installation in stationary and mobile spaces where an electric field is produced between electrodes connected to the positive pole and the negative pole of a direct-current voltage source, comprising an electrically conductive layer resting on an insulating

carrier and covered by an insulating protective layer, characterized in that the electrically conductive layer is formed by an electrically conductive adhesive by which the protective layer is stucked to the carrier.

CLASS 107G. I.C.-B62d 17/00, F23L 13/00. 140333.

SUCTION DAMPER FOR SINGLE TRACK MOTOR VEHICLES.

Applicant : JAWA, NARODNI PODNIK, TYNEC NAD SAZAVOU, CZECHOSLOVAKIA.

Inventors : JAN RAFI, JOSEF PSENICKA AND VLADIMIR SLAVICEK.

Application No. 258/Cal/74 filed February 7, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

1 Claims.

Suction damper for single track motor vehicles, built-in between the carburettor of the combustion engine and the free space comprising at least one damping chamber and an air cleaner, the damping chamber provided with at least one suction tube substantially increasing and decreasing several times its cross section, characterised in that its largest cross section being at least 1.5 times larger than its smallest cross section.

CLASS 39K. I.C.-C01b 25/22. 140334.

PROCESS FOR PURIFYING CRUDE WET PROCESS PHOSPHORIC ACID OBTAINED FROM CONTACT OF SULPHURIC ACID AND PHOSPHATE ROCK.

Applicant : ALBRIGHT & WILSON LIMITED, OF B.O. BOX 3, OLDBURY, WARLEY, WORCS., ENGLAND.

Inventors : FRANK MICHAEL CUSSONS AND THOMAS ALAN WILLIAMS.

Application No. 966/Cal/73 filed April 25, 1973.

Convention date April 26, 1972/(19476/72) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

37 Claims.

A process for purifying crude wet process phosphoric acid obtained from contact of sulphuric acid and phosphate rock which comprises contacting said crude wet process phosphoric acid with an unsubstituted acyclic dialkyl ketone containing five or six carbon atoms, to give an organic extract containing at least some of the H_3PO_4 in the crude acid, and subsequently contacting the extract with water or an aqueous solution of a base to produce an aqueous phase consisting essentially of purified aqueous phosphoric acid or comprising a phosphate salt, the purified acid or salt being of increased purity having regard to the feed wet process acid and separating said aqueous phase from a ketone phase containing less than 3% of the H_3PO_4 present in the extract, with the provisos (a) that when the ketone is a hexanone the acidity (as hereinbefore defined) of the crude acid is at least 65%, (b) when the ketone is methyl isobutyl ketone at least one of the contact of crude acid and ketone, and extract and water or base, is in more than 1 stage, and (c) when the ketone is a pentanone, the acidity of the crude acid is at least 50% and also, when the pentanone extract contacts water to produce an aqueous phase consisting essentially of aqueous purified phosphoric acid, the contact of extract and water is in more than one countercurrent stage.

CLASS 32F₃e. I.C.-C11b 9/00, C07C 33/02. 140335.

A NEW PROCESS FOR THE MANUFACTURE OF LINAOOL FROM OIL OF MENTHA CITRATA.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-1, INDIA.

Inventors : SUNIL CHANDRA DATTA, MUNISHWAR CHANDRA NIGAM AND TAPAS SEN.

Application No. 1400/Cal/73 filed June 15, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims. No drawings.

A process for the manufacture of linalool which consists in subjecting the oil of *Mentha citrata* to cold alcoholic-alkaline saponification at room temperature followed by recovery of alcohol by distillation and rectifying the product by hydrodistillation or steam distillation in the range of about 15°C to 40°C.

CLASS 32E. I.C.-C08g 17/00. 140336.

MANUFACTURE OF POLYESTERS.

Applicant: IMPERIAL CHEMICAL INDUSTRIES LIMITED, OF IMPERIAL CHEMICAL HOUSE, MILBANK, LONDON, S.W.1., ENGLAND.

Inventors: ANTHONY ARTHUR BRIARLY BROWNE AND JAMES ERIC MCINTYRE.

Application No. 1659/Cal/73 filed July 16, 1973.

Convention date July 21, 1972 (34202/72) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

23 Claims. No drawings.

Process for the preparation of poly (alkylene arylene dicarboxylate) by the esterification of an aromatic dicarboxylic acid with a diol and polycondensation of the reaction product, characterised in that the process is carried out in the solid phase at a temperature of 160-240°C.

CLASS 144A. I.C.-B28b 19/00. 140337.

SULFUR COATING COMPOSITION.

Applicant: SOUTHWEST RESEARCH INSTITUTE, OF 8500 CULEBRA ROAD, SAN ANTONIO, TEXAS 78284, UNITED STATES OF AMERICA.

Inventors: JOHN MITCHELL DALE AND ALLEN CLARENCE LUDWIG.

Application No. 1977/Cal/73 filed August 29, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims. No drawings.

A method of preparing a coating composition consisting of about 73 to 97 weight per cent sulfur, about 1 to 7 weight per cent discyclopentadiene, about 1 to 5 weight per cent glass fiber and 1 to 15 weight per cent talc comprising the steps of:

(1) compounding the composition and

(2) subjecting said composition to the temperature of about 240 to 320°F for a period of about 30 minutes to 48 hours.

CLASS 9D. I.C.-C22C F16C 33/02. 140338.

MECHANICAL SYSTEMS COMPRISING TWO METALLIC SURFACES WHICH ARE MAINTAINED IN SLIDING CONTACT WITH EACH OTHER.

Applicant: E. I. DU PONT DE NEMOURS AND COMPANY, AT WILMINGTON, DELAWARE, U.S.A.

Inventors: SALVADORE JOSEPH CALABRESE AND CARL WIERN FARLEY.

Application No. 2323/Cal/73 filed October 18, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

15 Claims. No Drawings.

A mechanical system comprising a first part presenting a first metallic surface, a second part presenting a second metallic surface and means for inducing and maintaining the surfaces in repeated mutual sliding contact as hereinbefore described wherein the first metallic surface comprises a Laves

phase-containing alloy, as hereinbefore defined, and the second metallic surface comprises a Laves phase-containing alloy as hereinbefore defined, which is the same as or different from, the alloy of the first surface or consists of an aluminium-based surface, as hereinbefore defined.

OPPOSITION PROCEEDINGS

The opposition entered by Sharepedge Ltd. to the grant of a patent on application No. 1306667 made by Harbans Lall Malhotra & Sons Private Limited, as notified in Part III, Section 2 of the Gazette of India dated the 19th January 1974 has been dismissed.

PRINTED SPECIFICATION PUBLISHED

A limited number of printed copies of the undernoted specifications are available for sale from the Officer-in-Charge Government of India Central Book Depot, 2, Hastings Street, Calcutta, at two rupees per copy:—

(1)

108413 109672 109686 109707 109753 109774 109811 109816
109823 109825 109826 109848 109937 110733 110817 110942
110943 110980 111056 111106 111116 111132 111145 111146
111169 111260 111311 111319 111469 111593 111633 111635
111865 111909 112028 112100 112278 112373 112464 112763
112837 112866 112938 112994 113006 113119 113254 113275
113330 113457 113458 113559 113629 113859 113865 113903
113963 114099 114100 114137 114327 114380 114568 114738
114755 114816 114908 114975 115081 115353 115529 116598
117748 118140

(2)

116056 116108 116145 116308 116411 116541 116682 116719
117098 117367 117474 117491 117561 117643 118235 118528
118678 118810 119065 119816 119887 121947 125353

(3)

99798 110611 111614 111731 111739 111743 111803 111806
111911 111956 111986 112009 112123 112598 112719 112987
113015 113098 113100 113152 113153 113169 113185 113207
113316 113329 113587 113688 113747 113773 113851 113977
114009 114031 114233 114419 114544 114571 114820 114901
115031 115176 115364 115375 115421 115530 115531 115815
115978 116126 116261 117006 117229 117542 118149 118303

(4)

97231 108086 111742 111987 112010 112071 112075 112111
112113 112147 112930 113044 113130 113279 113286 113342
113356 113375 113386 113409 113609 113771 113807 113988
116161 116263 116372 116437 116471 116478 116551 116709
117196 117696 117772 118007 118038 118114 118258 118733
119458 119985

(5)

89689 89899 89943 90149 90169 90798 90840 91170
91182 91451 92273 92297 92333 92404 92653 107725
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110955 111002 111623 111723 111773 112314 112334 112413
112789 112797 112995 113012 113347 113538 113704 113810
113833 114139 114188 114332 116249 117255 118405

(6)

114846 114936 115609 115775 115859 116346 117101 117167
 117285 117288 117414 118189 118471 118633 118724 118840
 118853 118854 118855 119140 119696 120217 121791

(7)

101566

PATENTS SEALED

78835 101484 124360 125611 126636 127368 127828 131052
 134313 137689 137690 137699 137825 137923 137935 137936
 138018 138112 138128 138129 138151 138136 138140 138146
 138168 138174 138193 138202 138222 138226 138236 138239
 138259 138260 138269 138271 138285 138295 138309 138315
 138325 138326 138327 138328 138351 138353 138368 138396
 138399 138552

PATENTS DEEMED TO BE ENDORSED WITH THE WORDS "LICENCES OF RIGHT"

The following patent is deemed to have been endorsed with the words "Licences of right" under Section 87 of the Patents Act, 1970. The date shown in the crescent brackets is the date of the patent.

No.	Title of the invention
131530 (30-6-71)	Improvements in process and apparatus for making steel.

RENEWAL FEES PAID

78708 78726 78727 78785 78881 78887 78946 78968 78981
 79008 79233 82952 84361 84393 84506 84550 84675 84699
 84731 84747 84782 84783 84843 84844 84895 84919 84954
 85341 85702 89854 90098 90107 90126 90304 90323 90325
 90571 90629 91571 95413 95912 95962 95963 96091 96099
 96172 96220 96666 97222 98091 99968 100725 101848 101890
 101894 101944 101948 101988 101989 102045 102058 102093
 102208 102209 102249 102306 102721 105720 106819 107114
 107355 107436 107480 107535 107543 107548 107551 107561
 107576 107586 107587 107639 107660 107670 107683 107700
 107715 107716 107850 107944 107973 108049 108050 108070
 108265 108394 112444 112473 112537 112631 112780 112789
 112826 112847 112955 113006 113084 113223 113583 113631
 113632 113712 117862 117889 117895 117901 117977 117978
 117981 117996 118001 118007 118020 118107 118108 118123
 118124 118125 118136 118146 118196 118234 118249 118334
 118349 118367 118379 118454 118583 118606 118697 118742
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 128755 128758 128786 128787 128791 128799 128831 128851
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 133110 133137 133138 133139 133140 133181 133216 133232
 133233 133241 133297 133325 133331 133351 133353 133378
 133379 133380 133417 133437 133511 133514 133683 133693
 133906 134103 135457 135532 135581 135600 135667 135668
 135672 135689 135745 135778 135798 135880 136198 136270
 136374 136478 136627 136714 136756 136819 136945 137006

137007 137008 136009 137010 137011 137079 137155 137198 137203 137316 137446 137470 137872 138350.

CESSATION OF PATENTS

124358 124374 124384 123425 124430 124439 124460 124461
 124474 124487 124489 124506 124511 124513 124518 124524
 124551 124571 124572 124580 124581 124596 124606 124661
 124666 124667 124668 124688 124705 124706 124717 124769
 124784 124804 124815 124839 124875 124876 124911 124923
 124933 124939 124950 124975 124983 124993 125017 125043
 125048 125049 125051 125053 125067 125088 125095 125104
 125107 125108 125140 125142 125201 125210 125212 125222
 125246 125259 125277 125278 125333 125337 125338 125342
 125365 125392 125395 125396 125398 125399 125425 125442
 125475 125478 125497 125498 125523 125567 125570 127011
 127095 130921 131429 133488.

RESTORATION PROCEEDINGS

(1)

Notice is hereby given that an application for restoration of patent No. 109709 dated the 14th March 1967 made by Council of Scientific and Industrial Research on the 19th February 1976 and notified in the Gazette of India, Part-III, Section 2 dated the 1st May, 1976 has been allowed and the said patent restored.

(2)

Notice is hereby given that an application for restoration of Patent No. 109843 dated the 21st March 1967 made by Thomas Osmond Summers on the 27th February, 1976 and notified in the Gazette of India, Part-III, Section 2 dated the 1st May, 1976 has been allowed and the said patent restored.

(3)

Notice is hereby given that an application for restoration of Patent No. 111573 dated the 18th July, 1967 made by Toray Industries, Inc. on the 1st April, 1976 and notified in the Gazette of India, Part-III, Section 2 dated the 22nd May, 1976 has been allowed and the said patent restored.

(4)

Notice is hereby given that an application for restoration of patent No. 112037 dated the 21st August, 1967 made by Council of Scientific and Industrial Research on the 1st March, 1976 and notified in the Gazette of India, Part-III, Section 2 dated the 10th April, 1976 has been allowed and the said patent restored.

(5)

Notice is hereby given that an application for restoration of patent No. 112651 dated the 6th October 1967 made by Pravinchandra Chhaganlal Mehta on the 6th February, 1976 and notified in the Gazette of India, Part-III, Section 2 dated the 20th March, 1976 has been allowed and the said patent restored.

(6)

Notice is hereby given that an application for restoration of patent No. 114792 dated the 1st March, 1968 made by Hirajal Bhanji Khimji on the 28th February 1976 and notified in the Gazette of India, Part-III, Section 2 dated the 10th April, 1976 has been allowed and the said patent restored.

(7)

Notice is hereby given that an application for restoration of Patent Nos. 116578 and 116651 made by Toray Industries, Inc. on the 1st April, 1976 and notified in the Gazette of India, Part-III, Section 2 dated the 22nd May, 1976 have been treated as abandoned.

(8)

Notice is hereby given that an application for restoration of patent No. 121276 dated the 12th May, 1969 made by J.M. Huber Corporation on the 19th March, 1976 and notified in the Gazette of India, Part-III, Section 2 dated the 8th May, 1976 has been allowed and the said patent restored.

(9)

Notice is hereby given that an application for restoration of patent No. 127491 dated the 10th July, 1970 made by Centre Stephanois De Recherches Mecaniques Hydromecanique Et Frottement on the 27th March, 1976 and notified in the Gazette of India, Part-III, Section 2 dated the 15th May, 1976 has been allowed and the said patent restored.

(10)

Notice is hereby given that an application for restoration of patent No. 128453 dated the 16th July, 1971 made by Nandil Harilal Mehta on the 23rd February 1976 and notified in the Gazette of India Part-III, Section 2 dated the 1st May, 1976 has been allowed and the said patent restored.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in each entry is the date of registration of designs included in the entry.

Class 1. No. 143932. Tailoring Special Clip Shukala, An Indian Proprietary Concern, B-300, Hari Nagar, Clock Tower, New Delhi-110018, India. "Clip" February 9, 1976.

Class 1. No. 143993. Regal Industrial Corporation, a sole proprietary concern, at Room No. 122, Bharat Industrial Estate, 1st floor, Tokeri Jivraj Road, Sewri, Bombay-400015, Maharashtra, India. "Locks". February 25, 1976.

Class 1. No. 144031. Prakash Chandra, an Indian of 24, Second Street, Dr. Sivananda Nagar, Coimbatore-12, Tamil Nadu, India. "Cycle stand". March 2, 1976.

Class 1. Nos. 144053 & 144054. RMW Auto Industries, 15, Borbhat Lane, Girgaum, Bombay-4, Maharashtra, an Indian Partnership concern. "The folding table". March 6, 1976.

Class 1. No. 144065. Manjeet Auto Industries, 369-R, Model Town, Gulfasian, Ludhiana, Punjab State, an Indian Partnership Firm. "Foot rest of scooter". March 10, 1976.

Class 1. No. 144133. Regal Industrial Corporation, a sole proprietary concern, at Room No. 122, Bharat Industrial Estate, 1st floor, Tokeri Jivraj Road, Sewri, Bombay-400015, Maharashtra, India. "Locks". April 1, 1976.

Class 1. No. 144154. Vee Kay Ess Electronics, 1501, Ram Gali Electric Market Chandni Chowk, Delhi, an Indian Partnership concern. "Miniature circuit breaker". April 9, 1976.

Class 1. Nos. 144185 to 144187. Livinder Singh, trading as: The Decon Company, 8-Hailey Road, New Delhi, Indian National. "An incandescent electric lamp fittings". April 22, 1976.

Class 1. No. 144195. Hema Bhargava & Company, 33, Anjali, near Radio Club, Colaba, Bombay-400005, Maharashtra, Indian Proprietary concern. "Baby swing". April 26, 1976.

Class 3. No. 143677. Wilkinson Sword Limited, a British Company, of Sword House, Totteridge Road,

High Wycombe, Buckinghamshire, England. "Container for shaving units". December 18, 1976.

Class 3. No. 143931. Panchal Engineering Works, of Pratap Bhawan, Naya Bazar, Miagam Karzan, Dist, Baroda (Gujarat) an Indian Partnership Concern. "Rubber rings". February 9, 1976.

Class 3. No. 144006. Bal Krishan Garodia, trading as Electro Mechanical Industries, of 30, Ganesh Chandra Avenue, Calcutta-13, West Bengal, India, Indian. "Cable and wire markers". February 28, 1976.

Class 3. Nos. 144055 & 144056. RMW Auto Industries, 15, Borbhat Lane, Girgaum, Bombay-4, Maharashtra, an Indian Partnership Concern. "The folding table". March 6, 1976.

Class 3. No. 144071. Plastica, at 94, Vithalwadi, Kalbadevi Road, Bombay-2, Maharashtra State, an Indian Partnership Concern. "A comb". March 12, 1976.

Class 3. No. 144080. McGaw-Ravindra Laboratories (India) Ltd., a company registered under the Companies Act, at Amraiwadi Road, Ahmedabad-380008, Gujarat State, India. "Transfusion bottle hanger". March 15, 1976.

Class 3. No. 144086. Arora Plastics Private Limited (a private limited company incorporated under the Indian Companies Act), 20, 1st floor, Prabhadevi Industrial Estate, Veer Savarkar Marg, Bombay-400025, Maharashtra Estate, India. "Photo frame". March 17, 1976.

Class 3. Nos. 144096 to 144110. Mona Toys Industries, A Partnership firm, of D-34, Rajouri Garden New Delhi-27, India. "Toys". March 22, 1976.

Class 3. No. 144111. Uniroyal AG, A corporation organized under the laws of the District Court of Aachen, located at D-51, Aachen 1, Huettenstrasse 7, West Germany. "Tyre for a vehicle wheel". March 22, 1976.

Class 3. No. 144115. Kanupriya Paul, an Indian Nationa, 24, Shushila Sadan, Manchobhai Road, Malad (East), Bombay-400062, Maharashtra, India. "Paper weight". March 24, 1976.

Class 3. No. 144116. N. V. Corporation, 12-B/5, Sindhi Colony, Sion (West), Bombay-400022, Maharashtra, India. Indian Proprietary concern. "Mirror frame". March 24, 1976.

Class 3. No. 144128. Gujarat Polythene Industries, An Indian Registered Partnership Firm, at Ghia Mansion, 1st Floor, 86, Sutar Chawl, Bombay-400002, Maharashtra, India. "Closure". March 30, 1976.

Class 3. No. 144129. Gujarat Polythene Industries, An Indian Registered Partnership Firm, at Bhia Mansion, 1st Floor, 86, Sutar Chawl, Bombay-400002, Maharashtra, India. "Carboy". March 30, 1976.

Class 3. No. 144134. Mr. Madhukant Natwari Lal Dhruve an Indian, of 16, Piemkunj, Bhadarlan Nagar, Malad (West), Bombay-400064, Maharashtra, India. "Gas lighter". April 1, 1976.

Class 3. No. 144168. Arvind Plastic Industries, 5, Ganko Industrial Estate, 2nd Floor, Room No. 17, Ramchandra Lane, Malad (West), Bombay-400064, Maharashtra State India, an Indian Partnership Firm. "Mirror". April 15, 1976.

Class 3. No. 144183. Geep Flashlight Industries Limited, 28-South Road, Allahabad, Uttar Pradesh (India) (A Company Incorporated under the Indian Companies Act). "A torch". April 22, 1976.

Class 4. Nos. 143925 to 143929. Orissa Industries Limited, of Katcheri Road, Rourkela-1, Orissa, India, an Indian Company. "A brick". February 7, 1976.

Class 5. Nos. 144057 & 144058. RMW Auto Industries, 15, Borbhat Lane, Girgaum, Bombay-4, Maharashtra, an Indian Partnership concern. "The folding table". March 6, 1976.

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Design Nos. 138769 & 139110— Class 3.

Class 10. Nos. 143968 & 143970. Bihar Footwear Company, of Nawab Bahadur Road, Patna-800008, Bihar, India, and Indian Partnership firm. "Shoe". February 20, 1976.

COPYRIGHT EXTENDED FOR A THIRD PERIOD OF FIVE YEARS

Design Nos. 128134, 128923 and 129441— Class 3.

Class 10. No. 144203. Bata India Limited, a Limited Company incorporated under the Indian Companies Act, at 30, Snakespear Sarani in the town of Calcutta, West Bengal, India, "Footwear". April 30, 1976.

S. VEDARAMAN
Controller General of Patents,
Designs and Trade Marks.